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             AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005
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=> s (opthalm? or ocular?)

L1 283591 (OPTHALM? OR OCULAR?)

=> s l1 and (sclera? and orbit?)

L2 860 L1 AND (SCLERA? AND ORBIT?)

=> s 12 and (injection port)

L3 5 L2 AND (INJECTION PORT)

=> d 13 1-5 ibib abs

L3 ANSWER 1 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2005:69813 USPATFULL

TITLE: Devices for intraocular drug delivery

INVENTOR(S): Varner, Signe Erickson, Los Angeles, CA, UNITED STATES

Dejuan, Eugene, JR., La Canada, CA, UNITED STATES

Shelley, Terry, Hampstead, MD, UNITED STATES

Barnes, Aaron Christopher, Oak Park, CA, UNITED STATES

Humayun, Mark, La Canada, CA, UNITED STATES

The Johns Hopkins University (U.S. corporation) PATENT ASSIGNEE(S):

NUMBER KIND DATE

PATENT INFORMATION:

US 2005059956 A1 20050317 US 2004-823089 A1 20040412 (10) APPLICATION INFO.:

Continuation of Ser. No. US 2001-888092, filed on 22 RELATED APPLN. INFO.:

Jun 2001, GRANTED, Pat. No. US 6719750

NUMBER DATE

US 2000-228934P 20000830 (60) PRIORITY INFORMATION:

DOCUMENT TYPE: Utility FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: EDWARDS & ANGELL, LLP, P.O. BOX 55874, BOSTON, MA,

02205

NUMBER OF CLAIMS: 25

EXEMPLARY CLAIM: CLM-01-67

9 Drawing Page(s) NUMBER OF DRAWINGS:

LINE COUNT: 913

AΒ An therapeutic agent delivery device that can allows is particularly suitable for delivery of a therapeutic agent to limited access regions, such as the posterior chamber of the eye and inner ear. Preferred devices of the invention are minimally invasive, refillable and may be easily fixed to the treatment area. Preferred delivery devices of the invention also include those that comprise a non-linear shaped body member body housing one or more substances and a delivery mechanism for the sustained delivery of the one or more substances from the non-linear

shaped body member to the patient.

ANSWER 2 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2004:172991 USPATFULL

TITLE: Devices for intraocular drug delivery

Varner, Sign Erickson, Los Angeles, CA, UNITED STATES INVENTOR(S):

Dejuan, Eugene, JR., La Canada, CA, UNITED STATES

Shelley, Terry, Hampstead, MD, UNITED STATES

Barnes, Aaron Christopher, Oak Park, CA, UNITED STATES

Humayun, Mark, La Canada, CA, UNITED STATES

NUMBER KIND DATE

-----PATENT INFORMATION: US 2004133155 A1 20040708 US 2003-740698 A1 20031219 (10) APPLICATION INFO.:

Continuation of Ser. No. US 2001-888092, filed on 22 RELATED APPLN. INFO.:

Jun 2001, GRANTED, Pat. No. US 6719750

NUMBER DATE -----

PRIORITY INFORMATION: US 2000-228934P 20000830 (60)

DOCUMENT TYPE: Utility FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: EDWARDS & ANGELL, LLP, P.O. BOX 55874, BOSTON, MA,

02205

NUMBER OF CLAIMS: 67 EXEMPLARY CLAIM:

NUMBER OF DRAWINGS: 9 Drawing Page(s)

LINE COUNT:

An therapeutic agent delivery device that can allows is particularly

suitable for delivery of a therapeutic agent to limited access regions, such as the posterior chamber of the eye and inner ear. Preferred devices of the invention are minimally invasive, refillable and may be easily fixed to the treatment area. Preferred delivery devices of the invention also include those that comprise a non-linear shaped body member body housing one or more substances and a delivery mechanism for the sustained delivery of the one or more substances from the non-linear shaped body member to the patient.

ANSWER 3 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2004:139730 USPATFULL

TITLE: Opthalmic drug delivery device

INVENTOR(S): Yaacobi, Yoseph, Fort Worth, TX, UNITED STATES

> NUMBER KIND DATE

PATENT INFORMATION: US 2004106906 A1 20040603 US 2003-706105 A1 20031112 (10)

APPLICATION INFO.:

Continuation of Ser. No. WO 2002-US23048, filed on 22 RELATED APPLN. INFO.:

Jul 2002, PENDING

NUMBER DATE -----

PRIORITY INFORMATION: US 2001-307284P 20010723 (60)

DOCUMENT TYPE: Utility FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: ALCON RESEARCH, LTD., R&D COUNSEL, Q-148, 6201 SOUTH

FREEWAY, FORT WORTH, TX, 76134-2099

NUMBER OF CLAIMS: EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 4 Drawing Page(s)

LINE COUNT: 409

An ophthalmic drug delivery device having a first end and a second end, an injection port, a reservoir, and a sleeve is disclosed. The injection port is for sealingly engaging a needle of a syringe, which is for providing a fluid comprising a pharmaceutically active agent. The reservoir is disposed within the device, is fluidly coupled to the injection port, and has an opening for communicating the fluid to an outer surface of a sclera of an eye. The sleeve is for engaging the device proximate overlapping portions of the first end and the second end for forming a generally ring-shaped three-dimensional geometry upon implantation of the device on the outer surface of the sclera. The device is useful for the treatment of a disease of the posterior

segment of the eye.

ANSWER 4 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2004:121494 USPATFULL

Ophthalmic drug delivery device TITLE:

INVENTOR(S): Yaacobi, Yoseph, Fort Worth, TX, UNITED STATES

NUMBER KIND DATE -----US 2004092911 A1 20040513 US 2003-702210 A1 20031105 (10) PATENT INFORMATION:

APPLICATION INFO.:

Continuation of Ser. No. WO 2002-US23116, filed on 22 RELATED APPLN. INFO.:

Jul 2002, PENDING

NUMBER DATE -----

PRIORITY INFORMATION: US 2001-307226P 20010723 (60)

DOCUMENT TYPE: Utility FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: ALCON RESEARCH, LTD., R&D COUNSEL, Q-148, 6201 SOUTH

FREEWAY, FORT WORTH, TX, 76134-2099

NUMBER OF CLAIMS: EXEMPLARY CLAIM:

NUMBER OF DRAWINGS: 8 Drawing Page(s)

LINE COUNT: 741

AB An ophthalmic drug delivery device having a scleral surface,

an orbital surface, an injection port on

the orbital surface, and a fluid conducting passageway disposed within the device that is fluidily coupled to the

injection port and terminates in an opening for

communicating the fluid to an outer surface of the sclera is

disclosed. The fluid contains a pharmaceutically active agent useful for the treatment of a disease of the posterior segment of the eye.

ANSWER 5 OF 5 USPATFULL on STN

2002:43806 USPATFULL ACCESSION NUMBER:

TITLE:

Devices for intraocular drug delivery

INVENTOR(S):

Varner, Signe Erickson, Los Angeles, CA, UNITED STATES

DeJuan, Eugene, JR., La Canada, CA, UNITED STATES

Shelley, Terry, Hampstead, MD, UNITED STATES

Barnes, Aaron Christopher, Oak Park, CA, UNITED STATES

Humayun, Mark, La Canada, CA, UNITED STATES

NUMBER KIND DATE -----US 2002026176 A1 20020228 US 6719750 B2 20040413 US 2001-888092 A1 20010622 (9) PATENT INFORMATION: APPLICATION INFO.:

> NUMBER DATE -----

PRIORITY INFORMATION:

US 2000-228934P 20000830 (60)

DOCUMENT TYPE: Utility FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: Dike, Bronstein, Roberts & Cushman, Intellectual

Property practice, Group of Edwards & Angell, LLP, P.O.

Box 9169, Boston, MA, 02209

NUMBER OF CLAIMS: 67 EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 9 Drawing Page(s)

LINE COUNT: 1116 An therapeutic agent delivery device that can allows is particularly AB suitable for delivery of a therapeutic agent to limited access regions, such as the posterior chamber of the eye and inner ear. Preferred devices of the invention are minimally invasive, refillable and may be easily fixed to the treatment area. Preferred delivery devices of the invention also include those that comprise a non-linear shaped body member body housing one or more substances and a delivery mechanism for the sustained delivery of the one or more substances from the non-linear shaped body member to the patient.